



IFMBE

HTA Division

Clinical Engineering Division



IFMBE

International Federation for Medical and Biological Engineering

A member of the International Union for Physical and Engineering Sciences in Medicine (IUPESM)

September 23rd, 2021

Nomenclature of Medical Devices

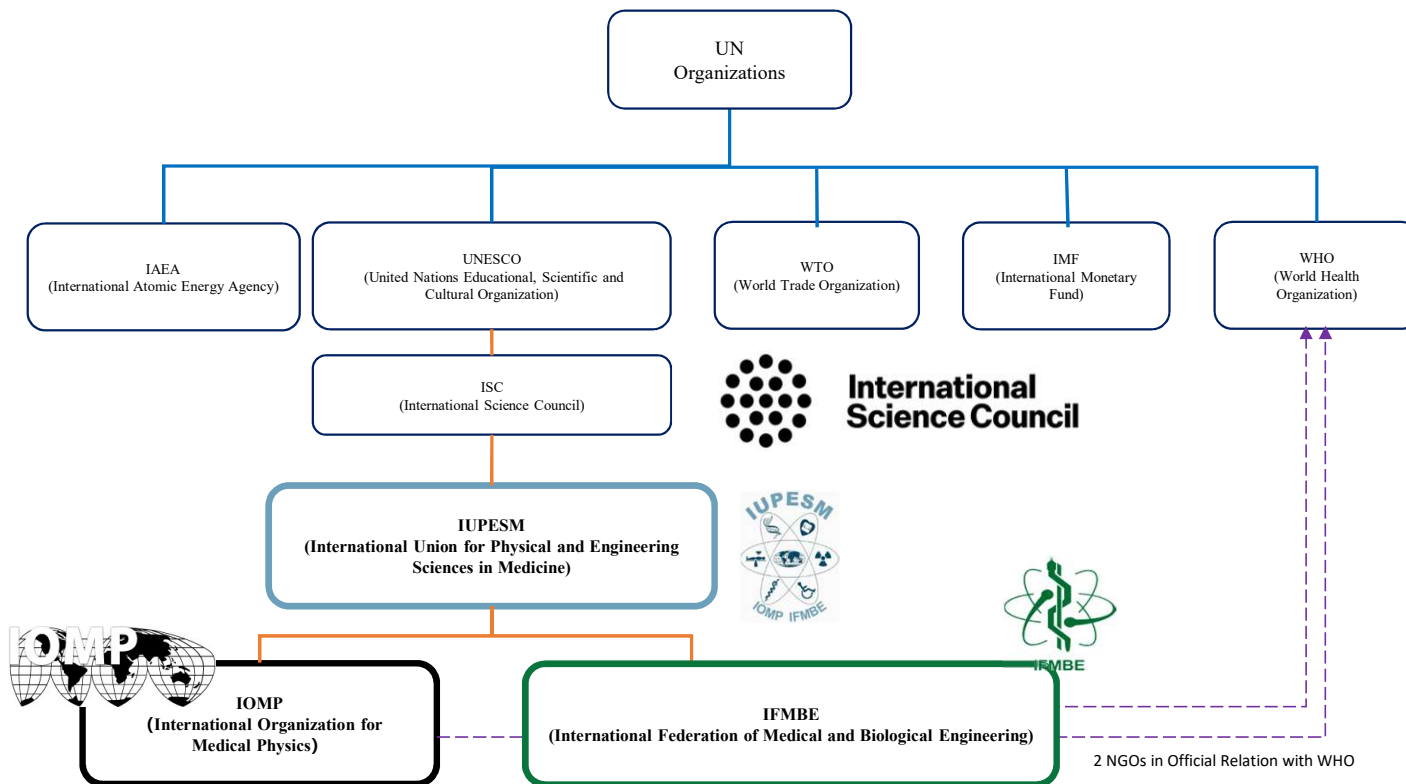
Information session for Member States

Ernesto Iadanza, PhD

IFMBE HTAD Board Chair

IFMBE CED Immediate Past Chair

BME Ecosystem





Since 1959

Affiliated Members of IFMBE

INTERNATIONAL FEDERATION FOR
MEDICAL AND BIOLOGICAL ENGINEERING

Affiliated with the International Union for Physical and Engineering Sciences in Medicine (IUPESM)

www.ifmbe.org



Affiliated Transnational Organizations:

- ACCE
- AAMI
- CAHTMA
- CORAL
- EAMBES
- IEEE/EMBS

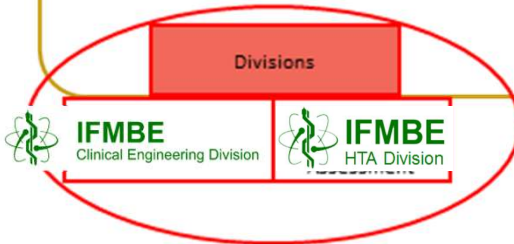
Affiliated National
Organizations

63

About IFMBE

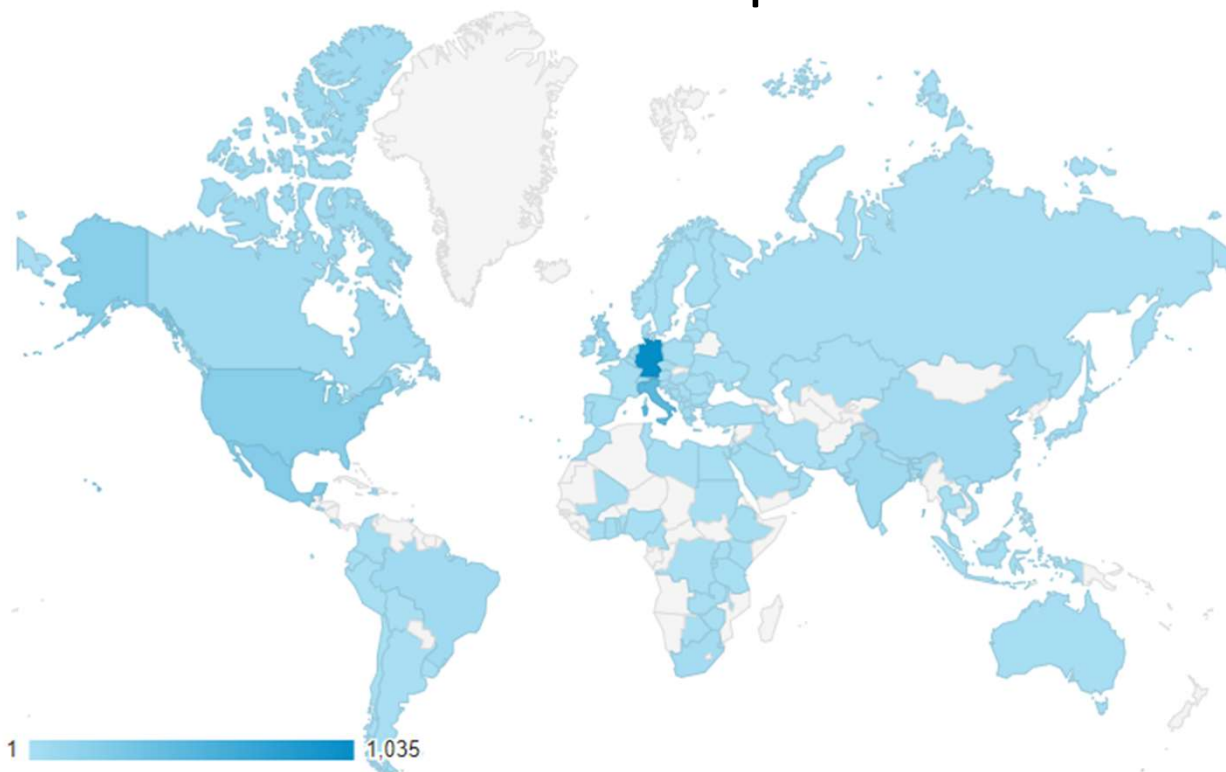


Administrative Council



Council of Societies

HTAD website impact



Germany	Australia	Lebanon	Cameroon
Italy	Denmark	Romania	Estonia
Mexico	Ghana	Sudan	Gambia
United States	Turkey	Brunei	Haiti
United Kingdom	United Arab Emirates	Bhutan	Kazakhstan
India	Argentina	Congo - Kinshasa	Sri Lanka
Canada	Bangladesh	Costa Rica	Lithuania
China	Poland	Israel	Latvia
Brazil	Russia	Luxembourg	Morocco
Netherlands	Iran	Malta	Moldova
Greece	South Korea	Nepal	Montenegro
Croatia	Malaysia	Pakistan	
South Africa	Austria	Qatar	
Colombia	Jordan	Rwanda	
Spain	Kenya	Zambia	
Ireland	Nigeria	Benin	
Bosnia & Herzegovina	Peru	Botswana	
Singapore	Serbia	Cyprus	
Japan	Thailand	Ecuador	
Portugal	Ukraine	Hungary	
Belgium	Uganda	Iraq	
Saudi Arabia	Bulgaria	Libya	
Czechia	Indonesia	Oman	
Ethiopia	Norway	Slovenia	
Hong Kong	Taiwan	Kosovo	
Switzerland	Vietnam	Albania	
Finland	Chile	Burundi	
France	Egypt	Bolivia	
	Sweden	Belize	
	Tanzania	Côte d'Ivoire	

Nomenclatures: what is needed from the Biomedical and Clinical Engineering viewpoint

- Open-access
- No costs for use
- Easily accessible / downloadable
- Simple to manipulate

The possibility of grouping categories at several levels is vital for both Health Technology Management (HTM) and Assessment (HTA)

Base principles of European Medical Devices Nomenclature (EMDN)

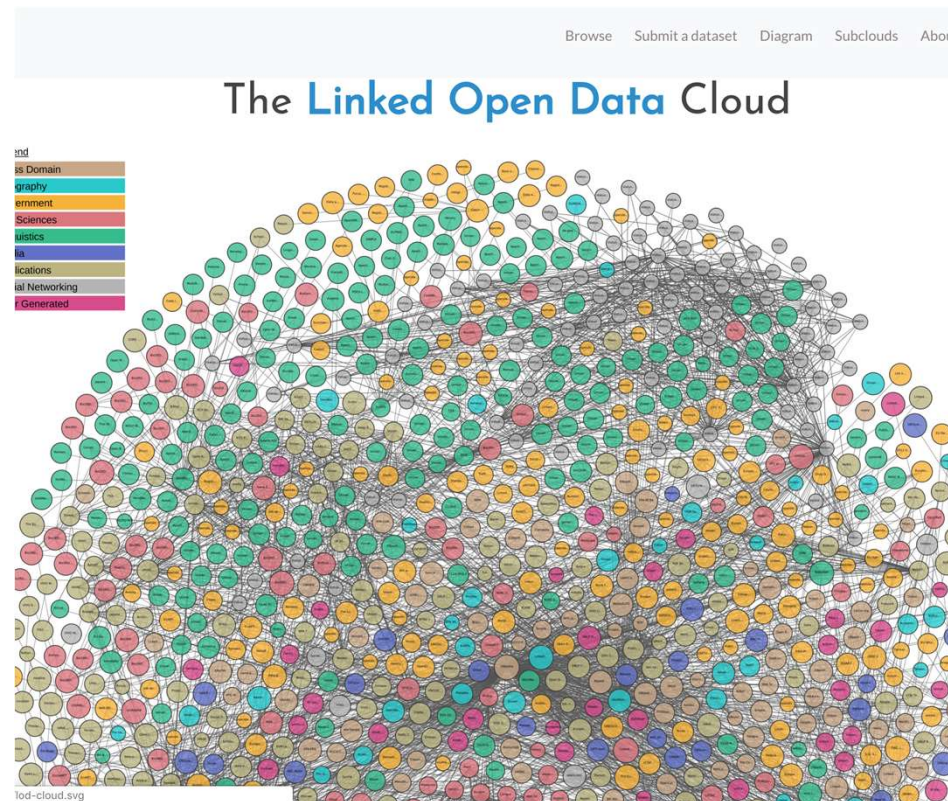
- Regulators-led
- Structured
- Predictable
- Transparent
- Inclusive
- Available
- Accessible
- International

Challenges

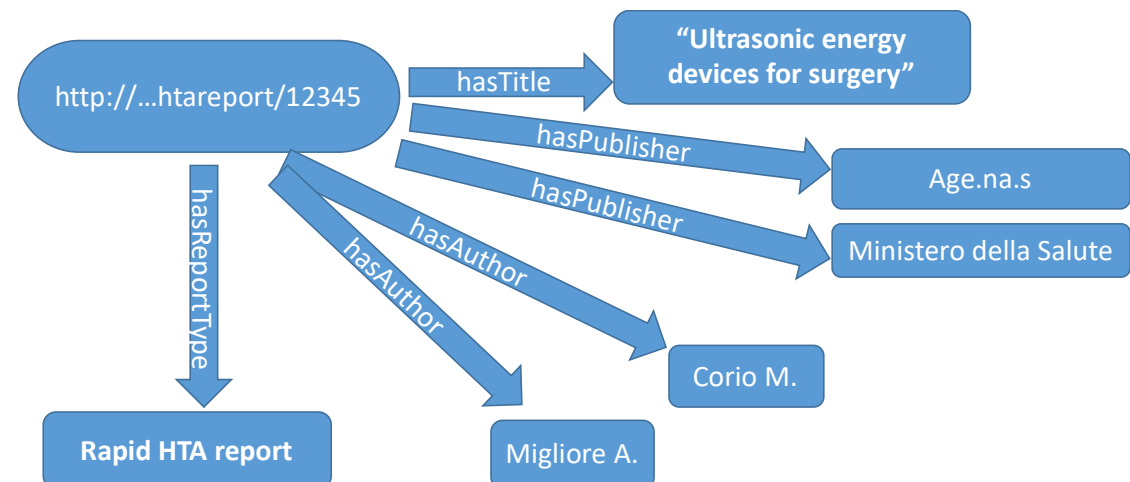
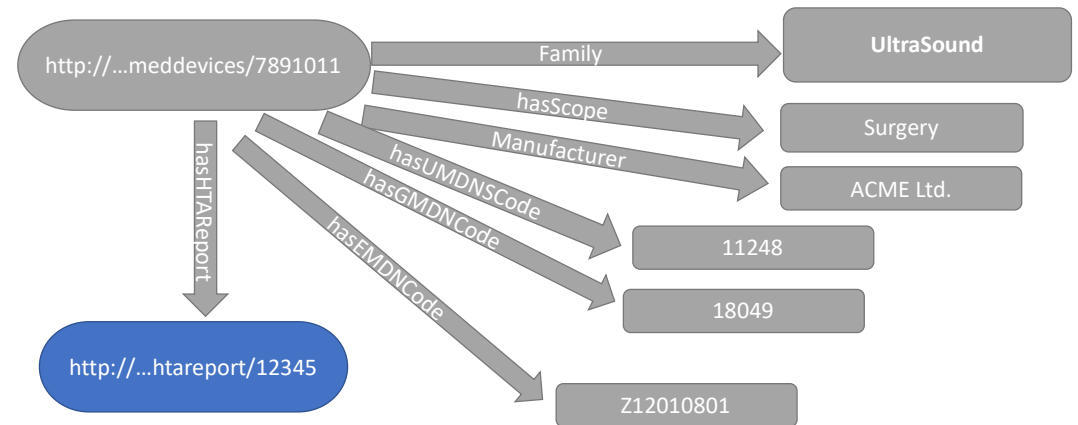
- Performing comparisons between institutions
- Keeping track of procurement by type of devices
- Planning and budgeting
- Assessing facilities
- Post-market surveillance and post-market clinical follow-up
- Cybersecurity

Need for interoperability!

Semantic ontologies and Linked (Open) Data can do the job



Semantic ontologies for interoperability





September 23rd, 2021

Nomenclature of Medical Devices

Information session for Member States

Ernesto Iadanza, PhD

IFMBE HTAD Board Chair

IFMBE CED Immediate Past Chair

